

Appln. No. 09/871,402
RCE dated July 18 2005
Reply to Office Action of May 27, 2005
Docket No. 6169-226

IBM Docket No. BOC9-2000-0093

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A method of remotely administering a service component comprising:

identifying at least one service logic execution environment (SLEE) service component configured to perform at least one administrative function responsive to an occurrence of corresponding event which said service component has been registered in a SLEE to receive, said at least one administrative function comprising at least function selected from a group consisting of detecting administrative information of the service component and posting a message containing the administrative information to an event handling component of the SLEE, re-loading the service component within the SLEE, unloading the service component within the SLEE, halting execution of an existing service executing within the service component, and resuming execution of a previously halted service executing within the service component;

providing at least one administrative option included in a hypermedia document, each provided said at least one administrative option corresponding to at least one of said administrative functions a function to be performed by a service component executing in a service logic execution environment (SLEE);

receiving a user specified administrative option in said hypermedia document;

generating a SLEE compatible event based on said user specified administrative option, said generated event being one of said corresponding events; ~~event being of a type which said service component has been registered in said SLEE to receive; and~~

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routing said event to said service component via said event handling component of the SLEE[[]]; and

said service component processing said event and responsively performing said [[an]] administrative function consistent with said event.

2. (Currently Amended) The method of claim 1, wherein said administrative function includes detecting administrative information of the service component and posting a message containing the administrative information to an event handling component of the SLEE ~~further comprising receiving administrative information from said service component.~~

3. (Currently Amended) The method of claim 2, wherein said ~~received~~ administrative information ~~is real-time information~~ includes at least one of service component usage information, information related to the number of calls being processed by the service component, information about an individual subscriber's service executing with the service component, and the number of users accessing the service component.

4. (Currently Amended) A method of remotely administering a service component through a hypermedia document comprising:

registering a service logic execution environment (SLEE) service component with a service logic execution environment (SLEE) SLEE to receive particular SLEE compatible events generated by said hypermedia document and posted to an event handler in said SLEE, wherein each of the SLEE compatible events for which the service component registers correspond to at least one administrative function of the service component, said at least one administrative function comprising at least function selected from a group consisting of detecting administrative information of the service component

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and posting a message containing the administrative information to an event handling component of the SLEE, re-loading the service component within the SLEE, unloading the service component within the SLEE, halting execution of an existing service executing within the service component, and resuming execution of a previously halted service executing within the service component;

receiving an event posted in said SLEE, wherein said received event is one of said particular SLEE compatible events; and

said service component performing said administrative function consistent with said received event.

5. (Currently Amended) The method of claim 4, ~~further comprising:~~
~~— encapsulating in a SLEE compatible event administrative information consistent with said received event; and,~~
~~— posting said event containing said encapsulated administrative information to said SLEE;~~

wherein said administrative function includes detecting administrative information of the service component and posting a message containing the administrative information to an event handling component of the SLEE, wherein whereby said SLEE can route said encapsulated conveys the message administrative information to a remote user in a computer communications network, wherein said remote user triggered an occurrence of said event using a Web-based interface containing by said hypermedia document.

6. (Currently Amended) The method of claim 5, wherein said ~~received administrative information is real time information~~ includes at least one of service component usage information, information related to the number of calls being processed

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by the service component, information about an individual subscriber's service executing with the service component, and the number of users accessing the service component.

7. (Currently Amended) A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

identifying at least one service logic execution environment (SLEE) service component configured to perform at least one administrative function responsive to an occurrence of corresponding event which said service component has been registered in a SLEE to receive, said at least one administrative function comprising at least function selected from a group consisting of detecting administrative information of the service component and posting a message containing the administrative information to an event handling component of the SLEE, re-loading the service component within the SLEE, unloading the service component within the SLEE, halting execution of an existing service executing within the service component, and resuming execution of a previously halted service executing within the service component;

providing at least one administrative option included in a hypermedia document, each provided ~~said at least one~~ administrative option corresponding to at least one of said administrative functions ~~a function to be performed by a service component executing in a service logic execution environment (SLEE);~~

receiving a user specified administrative option in said hypermedia document;

generating a SLEE compatible event based on said user specified administrative option, said ~~generated~~ event being one of said corresponding events; ~~event being of a type which said service component has been registered in said SLEE to receive;~~ and

routing said event to said service component via said ~~event handling component of the SLEE[.,]; and~~

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said service component processing said event and responsively performing said ~~[[an]]~~ administrative function consistent with said event.

8. (Currently Amended) The machine readable storage of claim 7, wherein said administrative function includes detecting administrative information of the service component and posting a message containing the administrative information to an event handling component of the SLEE further comprising receiving administrative information from said service component.

9. (Currently Amended) The machine readable storage of claim 8, wherein said ~~received administrative information is real-time information~~ includes at least one of service component usage information, information related to the number of calls being processed by the service component, information about an individual subscriber's service executing with the service component, and the number of users accessing the service component.

10. (Currently Amended) A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

registering a service logic execution environment (SLEE) service component with ~~a service logic execution environment (SLEE)~~ SLEE to receive particular SLEE compatible events generated by said hypermedia document and posted to an event handler in said SLEE, wherein each of the SLEE compatible events for which the service component registers correspond to at least one administrative function of the service component, said at least one administrative function comprising at least function selected from a group consisting of detecting administrative information of the service component

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and posting a message containing the administrative information to an event handling component of the SLEE, re-loading the service component within the SLEE, unloading the service component within the SLEE, halting execution of an existing service executing within the service component, and resuming execution of a previously halted service executing within the service component;

receiving an event posted in said SLEE, wherein said received event is one of said particular SLEE compatible events; and

said service component performing said administrative function consistent with said received event.

11. (Currently Amended) The machine readable storage of claim 10, ~~further comprising:~~

~~— encapsulating in a SLEE compatible event administrative information consistent with said received event; and,~~

~~— posting said event containing said encapsulated administrative information to said SLEE,~~

wherein said administrative function includes detecting administrative information of the service component and posting a message containing the administrative information to an event handling component of the SLEE, wherein whereby said SLEE can route said encapsulated conveys the message administrative information to a remote user in a computer communications network, wherein said remote user triggered an occurrence of said event using a Web-based interface containing by said hypermedia document.

12. (Currently Amended) The machine readable storage of claim 11, wherein ~~said received administrative information is real time information~~ includes at least one of

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service component usage information, information related to the number of calls being processed by the service component, information about an individual subscriber's service executing with the service component, and the number of users accessing the service component.